

04/21/00



jc803 U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37
CFR 1.53(b))

4/24/00
Attorney Docket No. **0100.0000600** Total Pages 83
First Inventor or Application Identifier Michael Andrew
Mang, et al.
Title **VECTOR ENGINE WITH PRE-ACCUMULATION BUFFER
AND METHOD THEREFORE**
Express Mail Label No. EL559560661US

| | |
|--|--|
| APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i> | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231 |
|--|--|

1. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification *Total Pages 61*
(preferred arrangement set forth below)
- Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure

3. ☒ Drawings (35 USC 113) *Total Sheets 15*

4. Oath or Declaration *Total Pages 2*

- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application
(37 CFR 1.63(d))

(for continuation/divisional with Box 17 completed)

[Note Box 5 below]

- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).

5. ☐ Microfiche Computer Program (Appendix)
6. ☐ Nucleotide and/or Amino Acid Sequence
Submission (if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure ☐ Copies of
Statement (IDS)/PTO-1449 IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. ☐ Small Entity ☐ Statement filed in Prior
Statement(s) Application, Status still proper
and desired.
14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. ☐ Other

16. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No:

Prior Application Information: Examiner

Group / Art Unit:

17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

or, ☒ Correspondence Address Below

Markison & Reckamp, P.C.
115 Wild Basin Road, Suite 107
Austin, Texas 78746

Telephone: 512-347-9223

Facsimile: 512-347-9224

| | | | |
|--|-----------------------------------|--------------|-----------|
| Name and Registration Number (Print/Type) | Paul M. Anderson, Reg. No. 39,896 | | |
| Signature | | Date 4-21-00 | 4-21-2000 |

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09/556472



04/21/00

04-24-2000

A

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael Andrew Mang, et al.

Examiner:

Serial No:

Art Group:

Filing Date: 04-21-2000

Docket No: 0100.0000600

Title: VECTOR ENGINE WITH PRE-ACCUMULATION BUFFER AND METHOD THEREFORE

To the Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EL559560661US

Name of Depositor: Paul M. Anderson

Date of Deposit: 4-21-2000

(print or type)

Signature:

Paul M. Anderson

I hereby certify that this paper and the items identified below are being deposited with the U.S. Postal Service "Express Mail Post Office to Addresses" service under 37 C.F.R. Section 1.10 on the 'Date of Deposit', indicated above, and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Items accompanying this Certificate of Express Mailing:

- ☒ Filing papers for a new patent application, such filing papers include:
- ☒ A specification and drawings for a new patent application;
 - ☒ Transmittal cover letter;
 - ☒ Assignment agreement with Recordation Form Cover Sheet;
 - ☒ Combined Declaration and Power of Attorney;
 - ☐ Statement of Small Entity Status;
 - ☐ Information Disclosure Statement;
 - ☒ Return upon receipt post card;

FEE TRANSMITTAL

Note: Effective October 1, 1997.
Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 730.00

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

| | |
|------------------------|------------------------|
| Deposit Account Number | 50-0441 |
| Deposit Account Name | ATI Technologies, Inc. |

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Charge the Issue Fee Set in 37 CFR 1.18 at the mailing of the Notice of Allowance

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 101 690 | 201 345 | Utility filing fee | 690.00 |
| 106 310 | 206 155 | Design filing fee | |
| 107 480 | 207 240 | Plant filing fee | |
| 108 760 | 208 380 | Reissue filing fee | |
| 114 150 | 214 75 | Provisional filing fee | |

SUBTOTAL (1) (\$) 690.00

2. CLAIMS

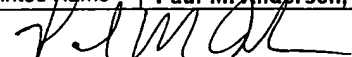
| Claims | Extra | Fee from below | Fee Paid |
|---------------|-----------|----------------|----------|
| Total 14 | (-20 =) 0 | | .00 |
| Indep. 3 | (-3 =) 0 | | .00 |
| Multiple Dep. | | | |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|---|
| 103 18 | 203 9 | Claims in excess of 20 |
| 102 78 | 202 39 | Independent claims in excess of 3 |
| 104 260 | 204 130 | Multiple dependent claim |
| 109 78 | 209 39 | Reissue independent claims over original patent |
| 110 18 | 210 9 | Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) .00

SUBMITTED BY MARKISON & RECKAMP, P.C.

Typed or Printed Name Paul M. Anderson, Reg. No. 39,896

Signature 

Date 4-21-00

Complete (if applicable)

Deposit Account User ID

Complete if Known

| | |
|------------------------|---------------------|
| Application Number | |
| Filing Date | |
| First Named Inventor | Michael Andrew Mang |
| Group Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 0100.0000600 |

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 105 130 | 205 65 | Surcharge - late filing fee or oath | |
| 127 50 | 227 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 130 | 139 130 | Non-English specification | |
| 147 2,520 | 147 2,520 | For filing a request for reexamination | |
| 112 920* | 112 920* | Requesting publication of SIR prior to Examiner action | |
| 113 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action | |
| 115 110 | 215 55 | Extension for reply within first month | |
| 116 380 | 216 190 | Extension for reply within second month | |
| 117 870 | 217 435 | Extension for reply within third month | |
| 118 1,360 | 218 680 | Extension for reply within fourth month | |
| 128 1,850 | 228 925 | Extension for reply within fifth month | |
| 119 300 | 219 150 | Notice of Appeal | |
| 120 300 | 220 150 | Filing a brief in support of an appeal | |
| 121 260 | 221 130 | Request for oral hearing | |
| 138 1,510 | 138 1,510 | Petition to institute a public use proceeding | |
| 140 110 | 240 55 | Petition to revive - unavoidable | |
| 141 1,210 | 241 605 | Petition to revive - unintentional | |
| 142 1,210 | 242 605 | Utility issue fee (or reissue) | |
| 143 430 | 243 215 | Design issue fee | |
| 144 580 | 244 290 | Plant issue fee | |
| 122 130 | 122 130 | Petitions to the Commissioner | |
| 123 50 | 123 50 | Petitions related to provisional applications | |
| 126 240 | 126 240 | Submission of Information Disclosure Stmt | |
| 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 146 760 | 246 380 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 149 760 | 249 380 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| Other fee (specify) | | | |
| Other fee (specify) | | | |

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

**PATENT APPLICATION
DOCKET NO. 0100.0000600**

In the United States Patent and Trademark Office

FILING OF A UNITED STATES PATENT APPLICATION

Title:

**VECTOR ENGINE WITH PRE-ACCUMULATION BUFFER AND METHOD
THEREFORE**

Inventors:

| | |
|----------------------------|-----------------------|
| Michael Andrew Mang | Michael Mantor |
|----------------------------|-----------------------|

Attorney of Record

Paul M. Anderson, Reg. No. 39,896

115 Wild Basin Road, Suite 107

Austin, Texas 78746

Phone (512) 347-9223

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Express Mail Label No. EL559560661US

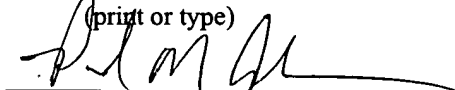
Date of Deposit: 4-21-2000

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Name of Depositor: Paul M. Anderson

(print or type)

Signature:



007240-249560